DETECTING NEUROLOGICAL DYSFUNCTION

Patent number: EP1335668
Publication date: 2003-08-20
Inventor: PLESS BENJAMIN D (US)
Applicant: NEUROPACE INC (US)
Classification:
- international: ***A61B5/0484; A61N1/36;*** *A61B5/00;* **A61B5/0476; A61N1/36;** A61B5/00; (IPC1-7): A61B5/0484; A61N1/36
- european: A61B5/0484; A61N1/36
Application number: EP20010989852 20011102
Priority number(s): WO2001US45784 20011102; US20000706322 20001103

Also published as:
WO0236003 (A1)
CA2428116 (A1)

Report a data error here

Abstract not available for EP1335668
Abstract of correspondent: **WO0236003**

A system and method for determining and predicting a patient's susceptibility to neurological dysfunction based on measured electrophysiological parameters employs a self-contained implantable device (110) with depth electrodes (612, 614, 616, 618) implanted in desired locations in the patient's brain. The patient's neurological tissue is stimulated to determine excitability and refractoriness (or inhibition period) parameters, which are employed to identify susceptibility to abnormal neurological activity, particularly epileptic seizures.